
Subject: Re: FTP downloading in IDL

Posted by [lecacheux.alain](#) on Sat, 21 Jul 2012 21:22:36 GMT

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Le samedi 21 juillet 2012 22:50:05 UTC+2, JBT a écrit :

> Dear all,

> ...

> So, does anyone know a working solution to download a file from an FTP server, please? Your help is much appreciated!

>

> Best regards,

> JBT

Your last code (using IDLnetURL) works perfectly on my machine (Windows 7, IDL8.2). Did you authorize IDL to communicate through the firewall of your machine ?
alain.

Subject: Re: FTP downloading in IDL

Posted by [David Fanning](#) on Sat, 21 Jul 2012 21:25:05 GMT

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JBT writes:

> So, does anyone know a working solution to download a file from an FTP server, please? Your help is much appreciated!

I had no trouble whatsoever accessing this file. Here is the code I used. Windows 7 64-bit OS, IDL 7.1.2.

```
oUrl = OBJ_NEW('IDLnetUrl', URL_SCHEME='ftp', $
    URL_HOST='ftp.ngdc.noaa.gov', $
    URL_Port=21, $
    URL_USERNAME='anonymous', URL_PASSWORD='', $
    URL_PATH='STP/GEOMAGNETIC_DATA/INDICES/KP_AP/2008')
void = oURL -> Get(FILENAME='C:\IDL\test\file_2008')
```

The file was retrieved nearly instantaneously.

I've gotten this CUrlException error quite a bit working with Google static maps. It is essential that the directory where the file will be saved actually exists and is writeable when the Get method is called. In my case, the problem has almost always been writing to a particular directory. I always give it an absolute file name, but I'm not sure if that is a learned behavior or not. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: FTP downloading in IDL

Posted by [Jianbao](#) on Sat, 21 Jul 2012 23:01:16 GMT

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On Saturday, July 21, 2012 2:22:36 PM UTC-7, alx wrote:

> Le samedi 21 juillet 2012 22:50:05 UTC+2, JBT a écrit :

> > Dear all,

> > ...

> > So, does anyone know a working solution to download a file from an FTP server, please?

Your help is much appreciated!

> >

> > Best regards,

> > JBT

>

> Your last code (using IDLnetURL) works perfectly on my machine (Windows 7, IDL8.2). Did you authorize IDL to communicate through the firewall of your machine ?

> alain.

Thanks, Alain, David.

I turned off the firewall on my computer and tried the IDLnetURL code again with an absolute file path for the local filename, but still got no luck. So, I guess it has something do with the difference between the Windows version and the Mac version of IDL. Does anybody have a clue on this, please?

JBT

Subject: Re: FTP downloading in IDL

Posted by [Paul Van Delst\[1\]](#) on Mon, 23 Jul 2012 14:16:19 GMT

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Hello,

On 07/21/12 19:01, JBT wrote:

> On Saturday, July 21, 2012 2:22:36 PM UTC-7, alx wrote:
 >> Le samedi 21 juillet 2012 22:50:05 UTC+2, JBT a écrit : > Dear all, > ... > So, does anyone know a working
 >> solution to download a file from an FTP server, please? Your help is much appreciated! >
 >> Best regards, >
 >> JBT
 >>
 >> Your last code (using IDLnetURL) works perfectly on my machine (Windows 7, IDL8.2). Did you authorize IDL to
 >> communicate through the firewall of your machine ? alain.
 >
 > Thanks, Alain, David.
 >
 > I turned off the firewall on my computer and tried the IDLnetURL code again with an absolute file path for the local
 > filename, but still got no luck. So, I guess it has something to do with the difference between the Windows version and
 > the Mac version of IDL. Does anybody have a clue on this, please?

No joy on my linux setup either:

```
IDL> print, !version
{ x86 linux unix linux 8.1 Mar 9 2011 32 64}
IDL> oUrl = OBJ_NEW('IDLnetUrl', URL_SCHEME='ftp', $
IDL>   URL_HOST='ftp.ngdc.noaa.gov', $
IDL>   URL_Port=21, $
IDL>   URL_USERNAME='anonymous', URL_PASSWORD='', $
IDL>   URL_PATH='STP/GEOMAGNETIC_DATA/INDICES/KP_AP/2008')
% Loaded DLM: URL.
IDL> downloadLoc = oURL->Get(FILENAME='2008')
% IDLNETURL::GET: CCurlException: Error: Ftp Get Request Failed. Error = RETR response:
425,
      Curl Error Code = 19. Last Ftp Response = 425 Failed to establish connection.
```

Different error.

When I just do the ftp access on the command line everything worked fine.

Maybe it's a unix-related thing. I.e. IDL can't do this properly on a non-windows platform?

cheers,

paulv

Subject: Re: FTP downloading in IDL
 Posted by [nerdzoo](#) on Mon, 23 Jul 2012 14:58:16 GMT

On 7/21/12 3:50 PM, JBT wrote:

> Dear all,

>

> So, does anyone know a working solution to download a file from an FTP server, please? Your help is much appreciated!

>

Both socket and IDLnetUrl methods worked on my OS X Lion + IDL 8.2:

IDL> help,!version,/st

** Structure !VERSION, 8 tags, length=104, data length=100:

```
ARCH      STRING  'x86_64'
OS        STRING  'darwin'
OS_FAMILY STRING  'unix'
OS_NAME   STRING  'Mac OS X'
RELEASE   STRING  '8.2'
BUILD_DATE STRING  'Apr 10 2012'
MEMORY_BITS INT    64
FILE_OFFSET_BITS
          INT      64
```

IDL>

IDL> url = 'ftp://ftp.ngdc.noaa.gov/STP/GEOMAGNETIC_DATA/INDICES/KP_AP/2 008'

IDL> read_ftp, url, file = '2008'

<220- ----- Notice -----

<220-

<220- This is a United States Department of Commerce computer system, which
<220- may be accessed and used only for official Government business by
<220- authorized personnel. Unauthorized access or use of this computer
<220- system may subject violators to criminal, civil, and/or administrative
<220- action.

<220-

<220- All information on this computer system may be intercepted, recorded,
<220- read, copied, and disclosed by and to authorized personnel for
<220- official purposes, including criminal investigations. Access or use of
<220- this computer system by any person whether authorized or unauthorized,
<220- constitutes consent to these terms.

<220-

<220- ----- Notice -----

<220-

<220- Questions/Problems should be directed to ngdc.linux-admin@noaa.gov

<220

>USER anonymous

>PASS test@test.com

>TYPE I

>CWD /STP/GEOMAGNETIC_DATA/INDICES/KP_AP

>SIZE 2008

>PASV

```
>RETR 2008
>QUIT
IDL>
```

And as David noted, the IDLnetUrl method was almost instantaneous. The socket method took 45 sec.

-Caesar

Subject: Re: FTP downloading in IDL
Posted by [Michael Galloy](#) on Mon, 23 Jul 2012 16:46:42 GMT
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On 7/23/12 8:58 AM, C.E. Ordonez wrote:

```
> On 7/21/12 3:50 PM, JBT wrote:
>> Dear all,
>>
>> So, does anyone know a working solution to download a file from an FTP
>> server, please? Your help is much appreciated!
>>
>
> Both socket and IDLnetUrl methods worked on my OS X Lion + IDL 8.2:
>
> IDL> help,!version,/st
> ** Structure !VERSION, 8 tags, length=104, data length=100:
>   ARCH      STRING  'x86_64'
>   OS        STRING  'darwin'
>   OS_FAMILY  STRING  'unix'
>   OS_NAME    STRING  'Mac OS X'
>   RELEASE    STRING  '8.2'
>   BUILD_DATE STRING  'Apr 10 2012'
>   MEMORY_BITS INT     64
>   FILE_OFFSET_BITS
>               INT     64
> IDL>
> IDL> url =
> ' ftp://ftp.ngdc.noaa.gov/STP/GEOMAGNETIC_DATA/INDICES/KP_AP/2 008'
> IDL> read_ftp, url, file = '2008'
> <220-          ----- Notice -----
> <220-
> <220- This is a United States Department of Commerce computer system, which
> <220- may be accessed and used only for official Government business by
> <220- authorized personnel. Unauthorized access or use of this computer
> <220- system may subject violators to criminal, civil, and/or
> administrative
> <220- action.
> <220-
```

> <220- All information on this computer system may be intercepted, recorded,
> <220- read, copied, and disclosed by and to authorized personnel for
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> use of
> <220- this computer system by any person whether authorized or
> unauthorized,
> <220- constitutes consent to these terms.
> <220-
> <220- ----- Notice -----
> <220-
> <220- Questions/Problems should be directed to ngdc.linux-admin@noaa.gov
> <220-
>> USER anonymous
>> PASS test@test.com
>> TYPE I
>> CWD /STP/GEOMAGNETIC_DATA/INDICES/KP_AP
>> SIZE 2008
>> PASV
>> RETR 2008
>> QUIT
> IDL>
>
> And as David noted, the IDLnetUrl method was almost instantaneous. The
> socket method took 45 sec.

Curious. Worked for me on Linux:

```
IDL> print, !version  
{ x86_64 linux unix linux 8.0.1 Oct 7 2010    64    64}
```

But not on OS X (Lion):

```
IDL> print, !version  
{ x86_64 darwin unix Mac OS X 8.2 Apr 10 2012    64    64}
```

Mike

--

Michael Galloy

www.michaelgalloy.com

Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

Research Mathematician

Tech-X Corporation

Subject: Re: FTP downloading in IDL

Posted by skymaxwell@gmail.com on Sun, 29 Jul 2012 19:24:25 GMT

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FTP have two mode: active and passive.
Try to look at FTP_CONNECTION_MODE property and may be change it
Some FTP servers supports only passive mode
from IDL help FTP_CONNECTION_MODE - "Active (this is the default)"

Subject: Re: FTP downloading in IDL
Posted by [Jianbao](#) on Mon, 06 Aug 2012 08:39:19 GMT
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On Sunday, July 29, 2012 12:24:25 PM UTC-7, skymaxwell wrote:
> FTP have two mode: active and passive.
>
> Try to look at FTP_CONNECTION_MODE property and may be change it
>
> Some FTP servers supports only passive mode
>
> from IDL help FTP_CONNECTION_MODE - "Active (this is the default)"

Thank you so much, Skymaxwell!! After I specified FTP_CONNECTION_MODE = 0 inside
obj_new() for oUrl, the code worked like a snap.

JBT
